



10/657,909.

C 07 C

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Inventor(s):** Orr et al.

**Patent No.:** 6,908,438

**Issued:** June 21, 2005

**For:** APPARATUS AND METHOD FOR  
NON-INVASIVELY MEASURING  
CARDIAC OUTPUT

**Attorney Docket No.:** 2077.1-2745.3US

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

June 27, 2006  
Date

Signature

Erika Gandre  
Name (Type/Print)

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR APPLICANTS' MISTAKES (37 C.F.R. § 1.323) AND  
PATENT OFFICE MISTAKES (37 C.F.R. § 1.322)

Attn.: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
JUL 05 2006  
of Correction

Sir:

It is noted that a combination of Applicant and Patent Office errors appear in this patent of a typographical nature or character and correction thereof does not involve such changes in the patent as would constitute new matter or would require reexamination. A certificate of correction in the form attached hereto is requested.

Please send the Certificate to:

Name: Brick G. Power  
Address: TraskBritt  
P.O. Box 2550  
Salt Lake City, Utah 84110

07/03/2006 HDEMSS2 00000040 6900438

01 FC:1811

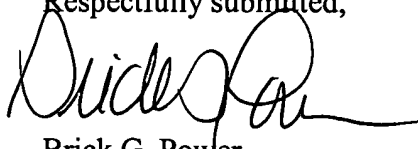
100.00 OP

**Patent No.: 6,908,438**

The fee of \$100.00 as required by 37 C.F.R. § 1.20(a) is enclosed.

Attached hereto in duplicate is Form PTO/SB/44 with at least one copy being suitable for printing.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Brick G. Power", written over a horizontal line.

Brick G. Power  
Registration No. 38,581  
Attorney for Applicant(s)  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: June 27, 2006  
BGP/csw

Enclosures: PTO/SB/44 in duplicate  
Check No. 22944 in the amount of \$100.00

Document in ProLaw

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO : 6,908,438 B2

Page 1 of 2

DATED : June 21, 2005

INVENTOR(S) : Joseph A. Orr; Scott A. Kofoed; Dwayne Westenskow; and Michael B. Jaffe

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**On the title page:**

In ITEM (56) "References Cited,"

LINE 4,

After the complete entry "Article entitled 'Noninvasive Measurements of Cardiac Output'" and before the entry "Article entitled 'Non-Invasive Pulmonary Blood Flow Measurement'" insert:

--Article entitled "Noninvasive Measurement of Cardiac Output Using Partial Carbon-Dioxide Rebreathing" by John Michael Capek (title, introductory pages and pp. 127- 132), printed by UMI Dissertation Services -- December 1988.--

**In the specification:**

COLUMN 7, LINE 1,  
COLUMN 12, LINE 35,  
COLUMN 12, LINE 46,

change "Y-niece" to --Y-piece--  
change " $(n-1)]/V_i$ " to -- $(n-1)]/V_i$ --  
change "( $P_{ACO_2}$ )" to --( $P_{ACO_2}$ )--

MAILING ADDRESS OF SENDER:

PATENT NO. 6,908,438 B2

Brick G. Power  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO : 6,908,438 B2

Page 2 of 2

DATED : June 21, 2005

INVENTOR(S) : Joseph A. Orr; Scott A. Kofoed; Dwayne Westenskow; and Michael B. Jaffe

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the claims:**CLAIM 7, COLUMN 14, LINE 60, change "(n-1)]/V<sub>i</sub>}" to --(n-1)]/V<sub>i</sub>--

MAILING ADDRESS OF SENDER:

PATENT NO. 6,908,438 B2

Brick G. Power  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

No. of additional copies

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO : 6,908,438 B2

Page 1 of 2

DATED : June 21, 2005

INVENTOR(S) : Joseph A. Orr; Scott A. Kofoed; Dwayne Westenskow; and Michael B. Jaffe

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**On the title page:**

In ITEM (56) "References Cited,"

LINE 4,

After the complete entry "Article entitled 'Noninvasive Measurements of Cardiac Output'" and before the entry "Article entitled 'Non-Invasive Pulmonary Blood Flow Measurement'" insert:

--Article entitled "Noninvasive Measurement of Cardiac Output Using Partial Carbon-Dioxide Rebreathing" by John Michael Capek (title, introductory pages and pp. 127- 132), printed by UMI Dissertation Services -- December 1988.--

**In the specification:**

COLUMN 7, LINE 1,  
COLUMN 12, LINE 35,  
COLUMN 12, LINE 46,

change "Y-niece" to --Y-piece--  
change " $(n-1)]/V_i$ " to -- $(n-1)]/V_i$ --  
change "(("PACO<sub>2</sub>")" to --("P<sub>A</sub>CO<sub>2</sub>")--

MAILING ADDRESS OF SENDER:

PATENT NO. 6,908,438 B2

Brick G. Power  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO : 6,908,438 B2

Page 2 of 2

DATED : June 21, 2005

INVENTOR(S) : Joseph A. Orr; Scott A. Kofoed; Dwayne Westenskow; and Michael B. Jaffe

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the claims:**

CLAIM 7, COLUMN 14, LINE 60, change "(n-1)]/V<sub>i</sub>}" to --(n-1))]/V<sub>i</sub>--

MAILING ADDRESS OF SENDER:

PATENT NO. 6,908,438 B2

Brick G. Power  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

No. of additional copies

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*